

# BELZONA REBUILDS AND PROTECTS HEX END BELL AND CAP AT A BEVERAGE FACILITY

ID: 7809

Industry: *Food & Drink*

Customer Location: *Florida, USA*

Application: *HEX-Heat Exchangers*

Application Date: *August 2018*

Substrate: *Steel*

Products: *\* Belzona 1391T ,  
\* Belzona 1511 (Super HT-Metal) ,*

## Problem

*Erosion-corrosion wear caused by having no protective coating before the heat exchanger started its service life.*



## Photograph Descriptions

- \* End Cap after abrasive blasting ,
- \* End Cap after application of Belzona 1511 and 1391T ,
- \* End Bell after abrasive blasting ,
- \* End Bell after application of Belzona 1511 and 1391T ,

## Application Situation

HEX end bell and cap at a juice manufacturing facility.

## Application Method

The application was carried out in accordance with modified versions Know-How System Leaflets: HEX-2 and HEX-3. Both the end bell and the cap was abrasive blasted to a near white metal finish with an angular profile of 3 mills. Belzona 1511 was used to rebuild the steel substrate for high conditions Belzona 1391T to protect the steel substrate for high heat conditions.

## Belzona Facts

The Customer needed to prolong the service life of a heat exchanger. The alternative was to purchase a new end cap and end Bell for the heat exchanger unit due to it leaking on the sides during operation. The cost-effective solution was to rebuild it with Belzona 1511 and protect it with Belzona 1391T protection system against high heat operation. This long lasting solution has saved the Customer downtime and money for future operation costs.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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